

Product datasheet for RC213267L3

OriGene Technologies, Inc.

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ACPL2 (PXYLP1) (NM_001037172) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ACPL2 (PXYLP1) (NM 001037172) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: ACPL2

Synonyms: ACPL2; HEL124; XYLP

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

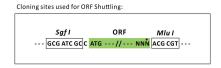
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC213267).

Sequence:

Sgfl-Mlul

Restriction Sites: Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001037172

ORF Size: 1440 bp





ACPL2 (PXYLP1) (NM_001037172) Human Tagged Lenti ORF Clone - RC213267L3

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001037172.1</u>

 RefSeq Size:
 3281 bp

 RefSeq ORF:
 1443 bp

 Locus ID:
 92370

 UniProt ID:
 O8TE99

Protein Families: Transmembrane

3q23

MW: 55.2 kDa

Cytogenetics:

Gene Summary: Responsible for the 2-O-dephosphorylation of xylose in the glycosaminoglycan-protein linkage

region of proteoglycans thereby regulating the amount of mature glycosaminoglycan (GAG) chains. Sulfated glycosaminoglycans (GAGs), including heparan sulfate and chondroitin sulfate, are synthesized on the so-called common GAG-protein linkage region (GlcUAbeta1-3Galbeta1-3Galbeta1-4Xylbeta1-O-Ser) of core proteins, which is formed by the stepwise addition of monosaccharide residues by the respective specific glycosyltransferases. Xylose 2-O-dephosphorylation during completion of linkage region formation is a prerequisite for the

initiation and efficient elongation of the repeating disaccharide region of GAG chains.

[UniProtKB/Swiss-Prot Function]